

FIGURE 1

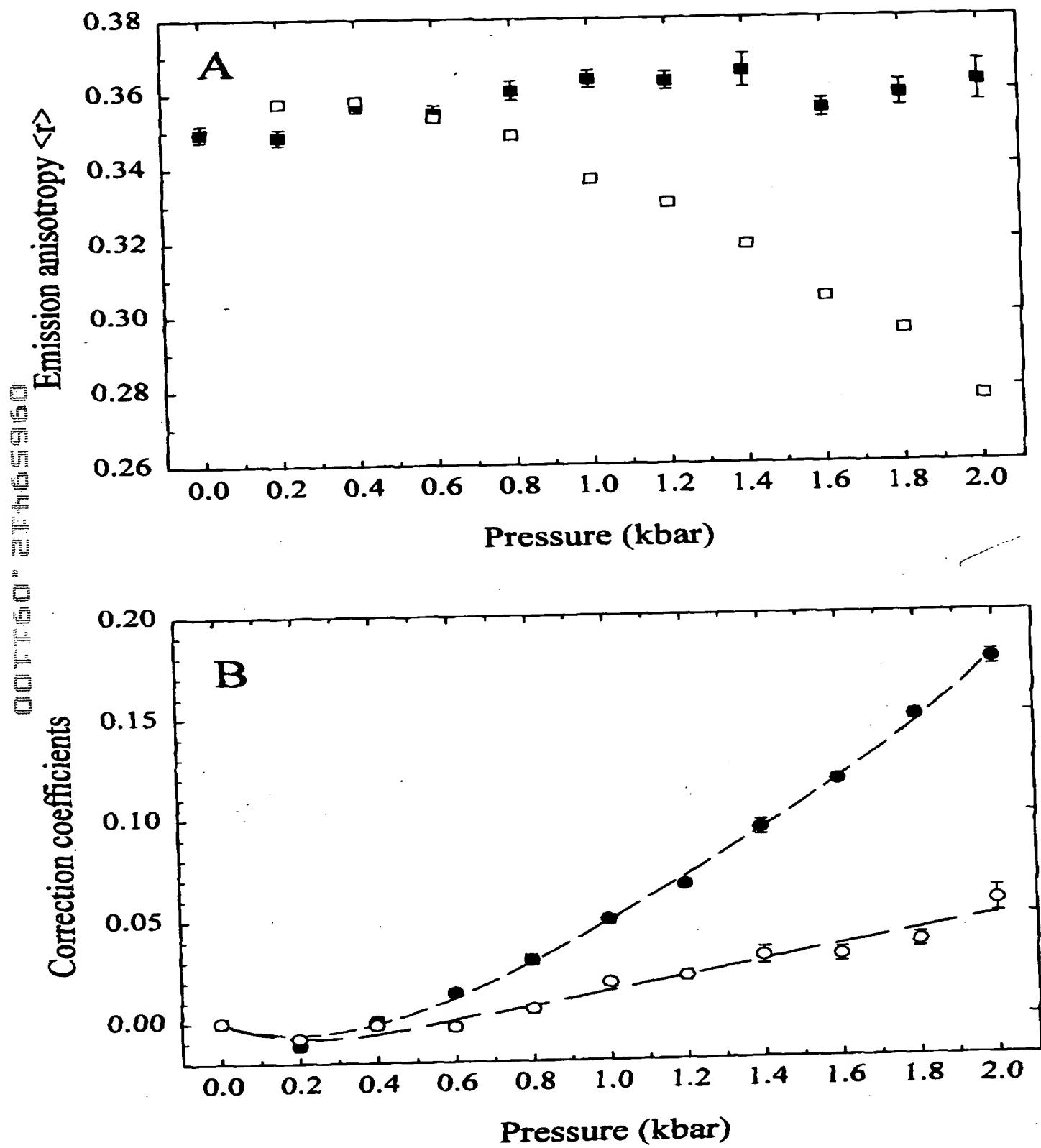


FIGURE 2-

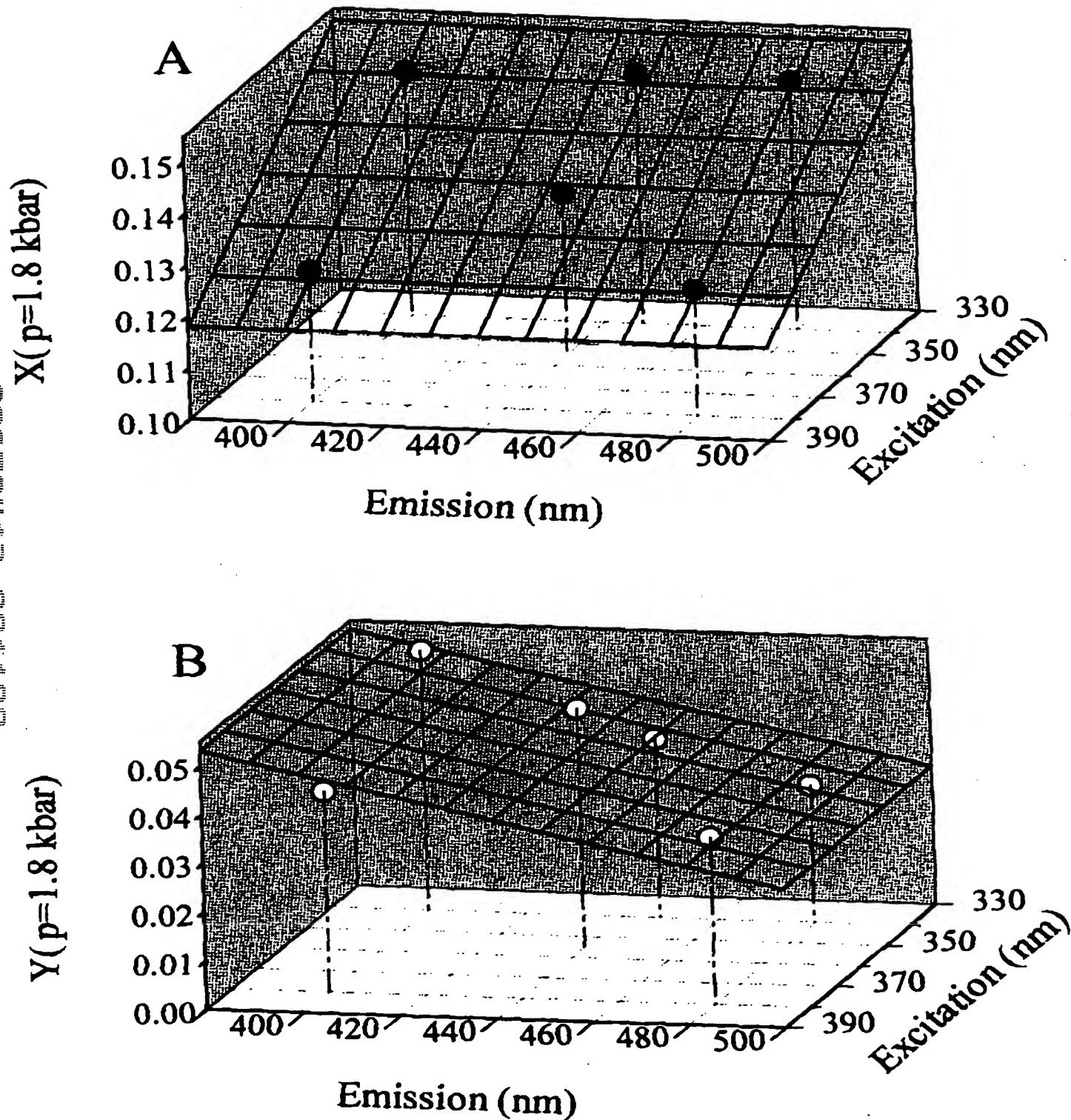


FIGURE 3

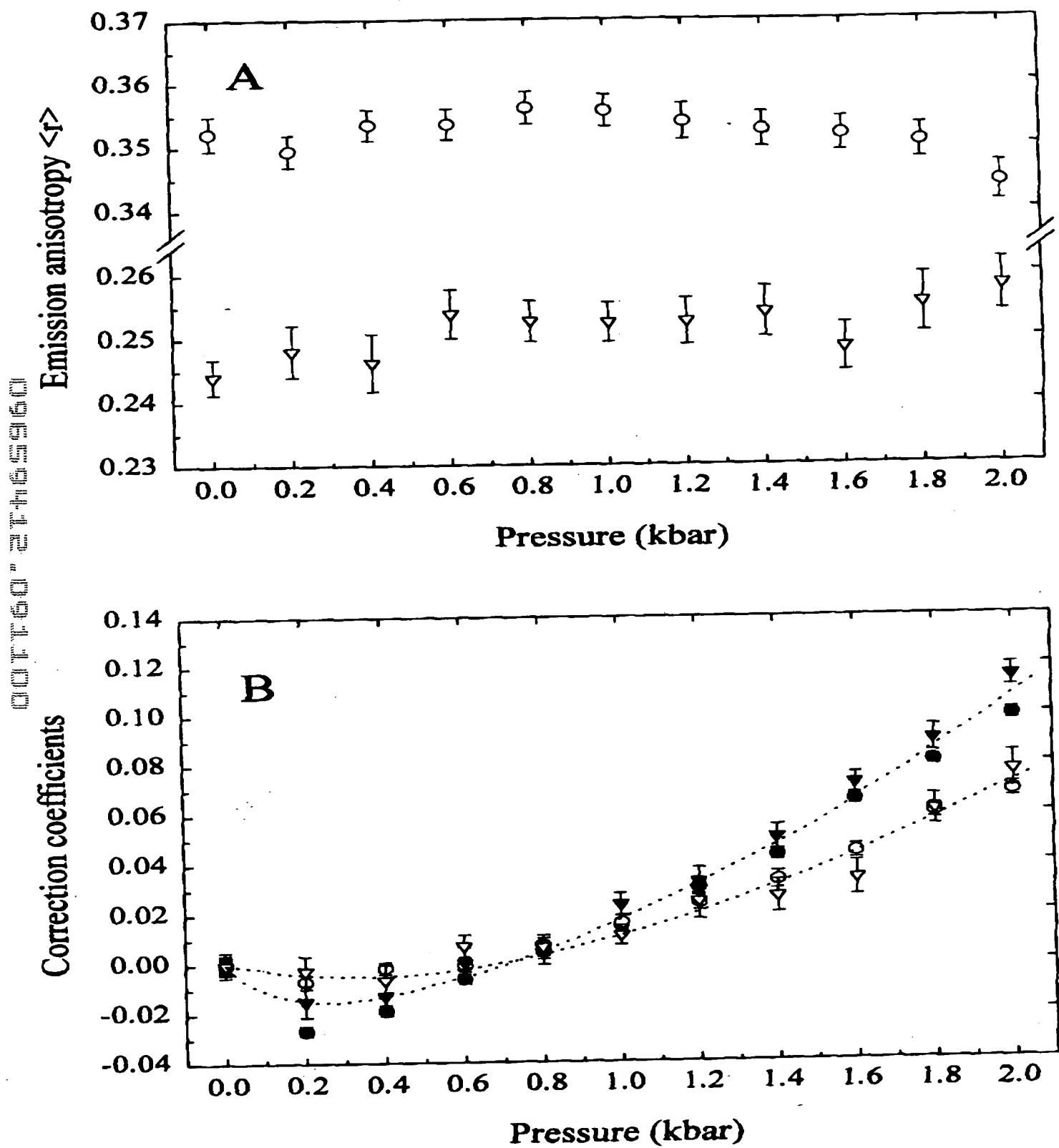


FIGURE 4

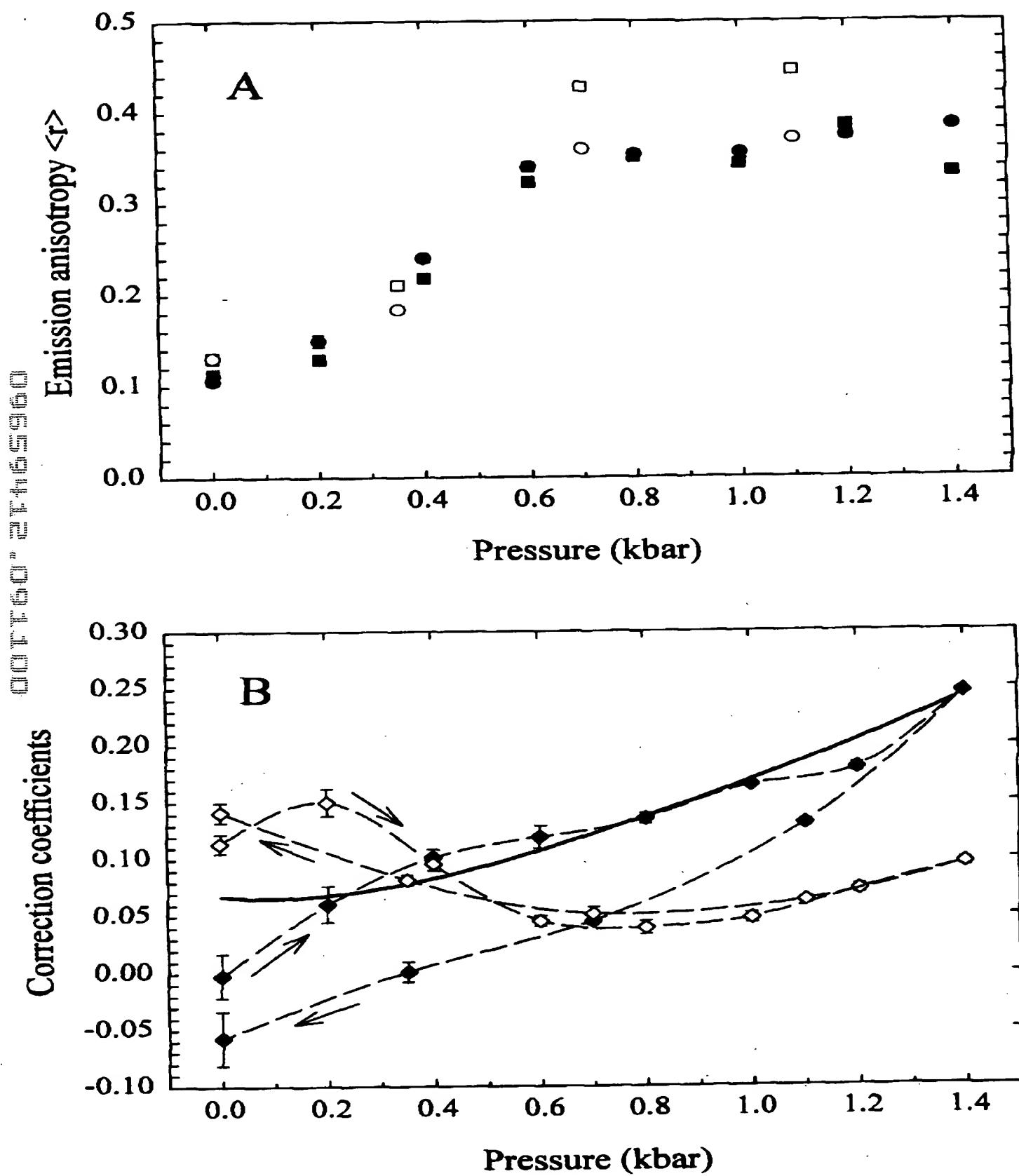


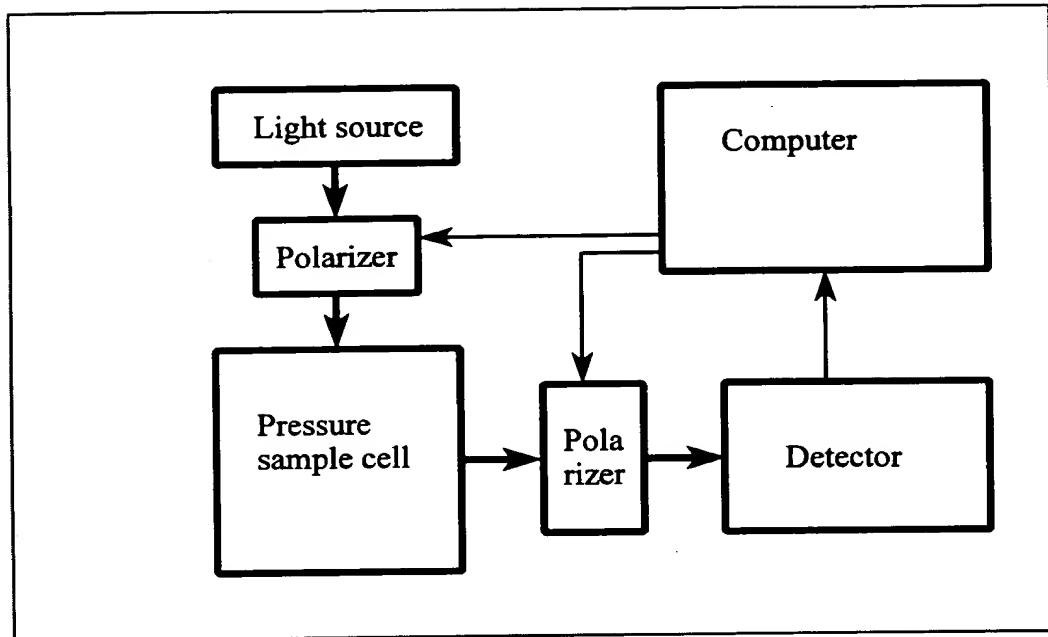
FIGURE 5A

Method of total intensity measurement	Excitation	Emission	<r>	Obtained intensity of fluorescence at		Comments
				X(p=1bar)=0 Y(p=1bar)=0	X(p=1.4 kbar)=0.25 Y(p=1.4 kbar)=0.10	
1	photocurrent	fixed vertical polarizer	no polarizer	0.1 0.36	1.00 1.16	0.92 1.014
	photocurrent	unpolarized light	no polarizer	0.1 0.36	1.00 0.96	0.997 0.95
2	Magic angle, Method 1	fixed vertical polarizer	fixed polarizer at 55° to vertical	0.1 0.36	1.00 1.00	0.983 0.937
	Magic angle, Method 2	fixed polarizer at 55° to vertical	fixed vertical polarizer	0.1 0.36	1.00 1.00	1.013 1.045
3	Magic angle, Method 3	depolarized light	fixed polarizer at 55° to horizontal	0.1 0.36	1.00 1.00	0.995 0.982
	Magic angle, Method 4	fixed polarizer at 55° to horizontal	scrambling plate	0.1 0.26	1.00 1.00	0.988 0.955
7	calculated with formula: $G \cdot i_{VV} + 2 \cdot i_{VH}$	fixed vertical polarizer	rotating polarizer	0.1 0.36	1.00 1.00	0.98 0.94

Method of total intensity measurement	Excitation	Emission	< <i>r</i> >	Obtained intensity of fluorescence at		Comments
				X(p=1 bar)=0 Y(p=1 bar)=0	X(p=1.4 kbar)=0.25 Y(p=1.4 kbar)=0.10	
8 calculated with formula: $\frac{I_{HH}}{I_{HV}} \cdot i_{VV} + 2 \cdot i_{VH}$	rotating polarizer	rotating polarizer	0.1	1.00	0.96	Recommended for non-pressure experiments, definitely wrong for pressure domain
9 Calculated with equation (6)	rotating polarizer	rotating polarizer	0.36	1.00	0.83	Recommended for pressure domain experiments, G and E factors must be known

FIGURE 5B

Figure 6



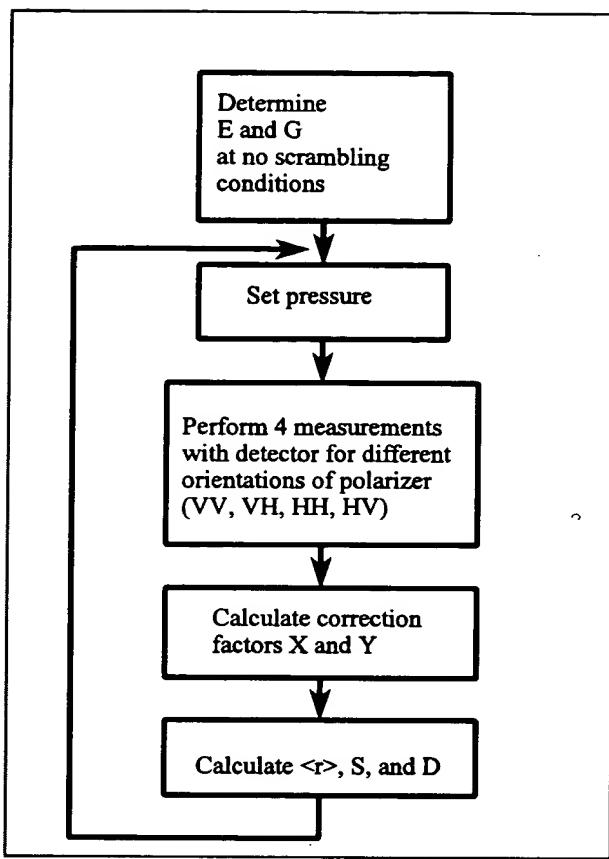


Figure 7

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